

ABSTRACT

On performing load balancing in a network device, there will be provided an apparatus of transmitting packets which implements uniform allocation processing in conformity with the traffic conditions. A packet transfer apparatus is provided with a statistics information collecting processor as a functional processor independent of the packet transfer processing. The line card transfers header information of packets to be transmitted and received to the statistics information collecting processor. The statistics information collecting processor collects statistics information in accordance with header information of transmitted and received packets transferred from the line card. On the basis of the statistics information collected by the statistics information collecting processor, the setting of the search table to be provided for the line card will be renewed.